

DBH  
MSK

**Department of Forensic Science  
Breath Alcohol Section  
Instrument Maintenance History  
1/1/1990 To 9/6/2013**

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<b>Instrument Serial Number:</b>	<b>010441</b>	<b>As of 06-Sep-13</b>
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Maintenance	Certification	Technician	
Date	Date	Initials	Remarks
05-Sep-13	05-Sep-13	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED. REPLACED DRY GAS STANDARD.
20-Mar-13	20-Mar-13	DBH (21250)	CERTIFIED.
25-Sep-12	25-Sep-12	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
12-Apr-12	12-Apr-12	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
08-Nov-11	08-Nov-11	HMS (18910)	CERTIFIED
06-Jun-11	06-Jun-11	HMS (18910)	REPLACED DRY GAS STANDARD, CERTIFIED
20-Dec-10	20-Dec-10	HMS (18910)	REPLACED DRY GAS STANDARD, CERTIFIED
30-Jun-10	30-Jun-10	HMS (18910)	CERTIFIED
12-Jan-10	12-Jan-10	HMS (18910)	CERTIFIED
11-Aug-09	11-Aug-09	HMS (18910)	CERTIFIED.
30-Jul-09	30-Jul-09	RJP (22428)	REPLACED TANK TOP LID. CERTIFIED.
22-Jun-09	22-Jun-09	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE, CERTIFIED.
14-Nov-08	14-Nov-08	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

DBH  
NBL

# INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number 010441 Worksheet Start Date 9/5/2013

Location Nottoway CO SO

Address 266 W Courthouse Rd. Nottoway VA 23995

DFS Technician Donald Hall License No. 21250

☐ Laboratory ☒ On-Site

## Site Specifications

### 1 Secured Environment:

Location must not be accessible to the general public.

Yes No

☒ ☐

### 2 Environment free from contaminants

☒ ☐

### 3 Dedicated telephone line:

The phone line should be used solely by the instrument.

☒ ☐

### 4 Adequate Ventilation:

Enough space must be provided for the instrument and the printer to allow for adequate ventilation.

☒ ☐

### 5 Stable temperature controls:

The instrument should not be exposed to direct sources of temperature variation.

☒ ☐

### 6 115VAC power source:

Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.

☒ ☐

### 7 Room Condition:

The site should be free of excessive moisture, heat and dust.

☒ ☐

Old serial no.   
E-Seek   
Keyboard   
Printer   
UPS

New serial no.

Supplies   
Mouthpieces   
Certificates of Analysis   
Operator Worksheet   
Other:

50

Maintenance (if any)

Firmware/software upgrade.

Comments (if any)

Instrument Serial Number 010441

Certification Date 9/5/2013

Instrument Barometer (mm HG) 749

Reference Barometer (mm HG) 753

Reference Barometer(RB)Serial # 009110

RB Calibration Due 5/30/2014

<b>Standard (sea level)</b>	<b>PA Target</b>	<b>minimum</b>	<b>maximum</b>	<b>Sample 1</b>	0.242
0.250	0.246	0.238	0.253	<b>Sample 2</b>	0.242
<b>Precision</b>		<b>sample min</b>	<b>sample max</b>	<b>Sample 3</b>	0.242
0		0.242	0.242		

<b>Standard (sea level)</b>	<b>PA Target</b>	<b>minimum</b>	<b>maximum</b>	<b>Sample 1</b>	0.147
0.150	0.148	0.143	0.152	<b>Sample 2</b>	0.147
<b>Precision</b>		<b>sample min</b>	<b>sample max</b>	<b>Sample 3</b>	0.147
0		0.147	0.147		

<b>Standard (sea level)</b>	<b>PA Target</b>	<b>minimum</b>	<b>maximum</b>	<b>Sample 1</b>	0.078
0.080	0.079	0.076	0.082	<b>Sample 2</b>	0.078
<b>Precision</b>		<b>sample min</b>	<b>sample max</b>	<b>Sample 3</b>	0.078
0		0.078	0.078		

<b>Standard (sea level)</b>	<b>PA Target</b>	<b>minimum</b>	<b>maximum</b>	<b>Sample 1</b>	0.019
0.020	0.020	0.017	0.023	<b>Sample 2</b>	0.019
<b>Precision</b>		<b>sample min</b>	<b>sample max</b>	<b>Sample 3</b>	0.019
0		0.019	0.019		

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☒ Calibrated☒ Certified☒ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.)

AG316301-02

☒ Measurement Assurance Check☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

<b>Standard (sea level)</b>	<b>PA Target</b>	<b>minimum</b>	<b>maximum</b>	<b>Sample 1</b>	0.097
0.100	0.098	0.095	0.101	<b>Sample 2</b>	0.097
<b>Precision</b>		<b>sample min</b>	<b>sample max</b>	<b>Sample 3</b>	0.097
0		0.097	0.097		

DFS Technician

*Donald B. Hall*

Date

9/6/13

Issuing Analyst

*Melissa Kennedy*

Date

9/11/13

Intox EC/IR II QA Worksheet  
 Issued by Calibration and Training Program Manager  
 Issue Date: 4-March-2013

DFS Document 250-F113  
 Revision 6  
 Page 2 of 2




COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS  
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED <b>INSTRUMENT, TEST,</b>	NAME OF COURT <b>DFS</b>
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY <b>HALL, DONALD, B</b>		AGENCY <b>DFS Central Lab</b>
DFS LICENSE NUMBER <b>21250</b>	LICENSE EXPIRES <b>10/01/2014</b>	DATE TEST CONDUCTED <b>09/05/2013</b>
TEST EQUIPMENT NUMBER <b>010441</b>		

RESULTS: TIME SAMPLE TAKEN 12:54 EDT

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_\_.

BREATH TEST OPERATOR
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☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS \_\_\_\_\_  
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS \_\_\_\_\_  
OPERATOR'S SIGNATURE



# IntoxNet MIS Report

Report Generated 05 Sep 2013 at 13:00

TLN  
DBA

WHL

## Test Results

Instrument Serial Number 010441

Test # 000374 Subject Test

Test Location 1 Department of  
Test Date 05 Sep 2013

Test Location 2 Forensic Science  
Test Time 12:48  
Remote/Local Local

Test Location 3  
System Check Passed

Operator's Last Name HALL  
Agency DFS Central Lab

Operator's First Name DONALD

Operator's Middle Initial B

Card Serial Number 121250

License Number 21250

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 05 Sep 2013 End Time 12:56

Result Time 12:54

Result Date 05 Sep 2013

Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 12:48

Data Type BLK

Sample Value 0.000

Sample Time 12:49

Data Type CHK

Sample Value 0.099

Sample Time 12:50

Data Type BLK

Sample Value 0.000

Sample Time 12:51

Data Type SUBJ

Sample Value 0.000

Sample Time 12:52

Data Type BLK

Sample Value 0.000

Sample Time 12:53

Data Type SUBJ

Sample Value 0.000

Sample Time 12:54

Data Type BLK

Sample Value 0.000

Sample Time 12:55

Standard Type Dry Gas Std

Standard Value 0.099

Standard Lot Number AG206601-01

Standard Expiration Date 03/06/2014

Tank Pressure 188

Barometric Pressure 749 mmHg

Blow Sample Number 1 Blow Duration 3.31 sec

Blow Volume 1703 cc End-of-Blow Time 12:52

Blow Sample Number 2 Blow Duration 3.66 sec

Blow Volume 1816 cc End-of-Blow Time 12:54

Tamper Evident Stamp 583c3374

Test Status Code 0

Test Status Success

**Intox EC/IR-II: Software Version**

*Department of Forensic Science*

Serial Number: 010441

System Date: 09/05/2013

System Time: 13:20 EDT

Software Version: VS00333-K

Software CRC: 56745BCA

Firmware Version: VS00171-CL

Firmware CRC: 7107756B

DBH

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**Intox EC/IR-II: Calibration**

Roh

*Department of Forensic Science*

Serial Number: 010441      Test Number: 375

Test Date: 09/05/2013      Test Time: 13:23 EDT

Dry Gas Target: 0.098

Lot Number: 0651210013-05      Exp Date: 04/01/2014

Tank Pressure: 438 psi      Barometric Pressure: 748 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	13:23
CAL	0.098	13:24

Test Status: *Success*

Calibration CRC: 05EB09E7

DBH

MSL

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010441      Test Number: 376  
Test Date: 09/05/2013      Test Time: 13:28 EDT

Technician Initials: DBH

Dry Gas Target: 0.246

Lot Number: 29612250I2-10      Exp Date: 11/01/2014

Tank Pressure: 335 psi      Barometric Pressure: 748 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:28
BLK	0.000	13:29
CHK	0.242	13:30
BLK	0.000	13:31
CHK	0.242	13:32
BLK	0.000	13:33
CHK	0.242	13:34
BLK	0.000	13:36

**Success**

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued



**Intox EC/IR-II: Certification***Department of Forensic Science*

Serial Number: 010441      Test Number: 377  
Test Date: 09/05/2013      Test Time: 13:38 EDT

Technician Initials: DBH

Dry Gas Target: 0.148

Lot Number: 0651215014-07      Exp Date: 04/01/2014

Tank Pressure: 115 psi      Barometric Pressure: 748 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:39
BLK	0.000	13:39
CHK	0.147	13:40
BLK	0.000	13:41
CHK	0.147	13:42
BLK	0.000	13:43
CHK	0.147	13:44
BLK	0.000	13:46

**Success**

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010441      Test Number: 378  
Test Date: 09/05/2013      Test Time: 13:48 EDT

Technician Initials: DBH

Dry Gas Target: 0.079

Lot Number: 06512080I2-03      Exp Date: 04/01/2014

Tank Pressure: 301 psi      Barometric Pressure: 748 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:48
BLK	0.000	13:49
CHK	0.078	13:50
BLK	0.000	13:51
CHK	0.078	13:52
BLK	0.000	13:53
CHK	0.078	13:54
BLK	0.000	13:55

**Success**

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

DBH

# **Intox EC/IR-II: Certification**

WDL

*Department of Forensic Science*

Serial Number: 010441      Test Number: 379

Test Date: 09/05/2013      Test Time: 13:57 EDT

Technician Initials: DBH

Dry Gas Target: 0.020

Lot Number: 0651202011-05      Exp Date: 04/01/2014

Tank Pressure: 188 psi      Barometric Pressure: 748 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:58
BLK	0.000	13:58
CHK	0.019	13:59
BLK	0.000	14:00
CHK	0.019	14:01
BLK	0.000	14:02
CHK	0.019	14:03
BLK	0.000	14:04

## **Success**

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

**Intox EC/IR-II: Accuracy Check**

*Department of Forensic Science*

Serial Number: 010441      Test Number: 380

Test Date: 09/05/2013      Test Time: 14:07 EDT

Dry Gas Target: 0.295

Lot Number: AG322702-04      Exp Date: 08/15/2015

Tank Pressure: 458 psi      Barometric Pressure: 748 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	14:08
CHK	0.295	14:09
BLK	0.000	14:10
CHK	0.295	14:11
BLK	0.000	14:13
CHK	0.295	14:14

Test Status: *Success*

Calibration CRC: 05EB09E7

**Intox EC/IR-II: Accuracy Check**

*Department of Forensic Science*

Serial Number: 010441      Test Number: 381

Test Date: 09/05/2013      Test Time: 14:18 EDT

Dry Gas Target: 0.098

Lot Number: AG316301-02      Exp Date: 06/12/2015

Tank Pressure: 1115 psi      Barometric Pressure: 748 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	14:18
CHK	0.097	14:19
BLK	0.000	14:21
CHK	0.097	14:21
BLK	0.000	14:23
CHK	0.097	14:24

Test Status: *Success*

Calibration CRC: 05EB09E7

DBH

N88




COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS  
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED <b>INSTRUMENT, TEST,</b>	NAME OF COURT <b>DFS</b>
---	-----------------------------

BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY <b>HALL, DONALD, B</b>		AGENCY <b>DFS Central Lab</b>
DFS LICENSE NUMBER <b>21250</b>	LICENSE EXPIRES <b>10/01/2014</b>	DATE TEST CONDUCTED <b>09/05/2013</b>
TEST EQUIPMENT NUMBER <b>010441</b>		

RESULTS: TIME SAMPLE TAKEN 14:32 EDT  
SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_.

BREATH TEST OPERATOR
----------------------

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS \_\_\_\_\_  
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS \_\_\_\_\_  
OPERATOR'S SIGNATURE



# IntoxNet MIS Report

Report Generated 06 Sep 2013 at 09:34

DBH

WAL

## Test Results

Instrument Serial Number 010441

Test # 000382 Subject Test

Test Location 1 Department of  
Test Date 05 Sep 2013

Test Location 2 Forensic Science  
Test Time 14:26  
Remote/Local Local

Test Location 3  
System Check Passed

Operator's Last Name HALL  
Agency DFS Central Lab

Operator's First Name DONALD

Operator's Middle Initial B  
License Number 21250

Card Serial Number 121250

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 05 Sep 2013 End Time 14:33

Result Time 14:32

Result Date 05 Sep 2013

Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 14:26

Data Type BLK

Sample Value 0.000

Sample Time 14:27

Data Type CHK

Sample Value 0.097

Sample Time 14:28

Data Type BLK

Sample Value 0.000

Sample Time 14:29

Data Type SUBJ

Sample Value 0.000

Sample Time 14:30

Data Type BLK

Sample Value 0.000

Sample Time 14:31

Data Type SUBJ

Sample Value 0.000

Sample Time 14:32

Data Type BLK

Sample Value 0.000

Sample Time 14:33

Standard Type Dry Gas Std

Standard Value 0.098

Standard Lot Number AG316301-02

Standard Expiration Date 06/12/2015

Tank Pressure 1120

Barometric Pressure 748 mmHg

Blow Sample Number 1 Blow Duration 3.81 sec

Blow Volume 1946 cc End-of-Blow Time 14:30

Blow Sample Number 2 Blow Duration 3.48 sec

Blow Volume 1790 cc End-of-Blow Time 14:32

Tamper Evident Stamp bbee36b1

Test Status Code 0

Test Status Success